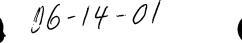
16-14-01



NON-PROVISIONAL UTILITY PATENT APPLICATION TRANSMITTAL - 37 CFR 1.53(b)

[] Duplicate (check, if applicable)



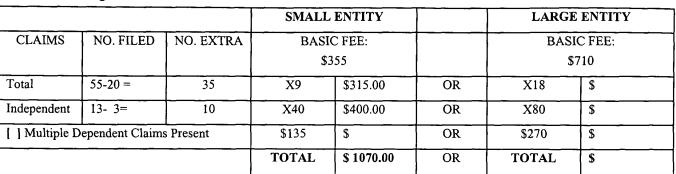
Assistant Commissioner for Patents BOX PATENT APPLICATION Washington, DC 20231

Attorney Docket No. 9596-331 (053893-5034) First Named Inventor: Douglas B. Cines Express Mail Label No. EL719362853 **Total Pages of Transmittal Form: 2**

Transmitted herewith for filing is the non-provisional utility patent application entitled:

COMPOSITIONS AND METHODS FOR MODULATING MUSCLE CELL AND TISSUE **CONTRACTILITY**

	ch is:	
ijan	[X] Orig	ginal; or
	[] Cont	inuation, [] Divisional, or [] Continuation-in-part (CIP)
	of pri	or Application Nofiled
	Antic	ipated Group/Art Unit: or Class, Subclass
[X]	This r	non-provisional patent application is based on Provisional Patent Application No.
is Indian	60/21	2,874, filed <u>June 20, 2000</u> .
Enc	losed are:	
	[X]	Specification (including Abstract) and claims: 89 pages.
	[]	Application Data Sheet.
	[X]	Newly unexecuted Declaration (original/copy).
	[]	Copy of Declaration from prior application.
	[]	Separate Power of Attorney (including 37 CFR 3.73(b) statement, if applicable).
	[X]	14 sheets of drawings (formal) plus one copy.
	[]	Microfiche computer program (Appendix).
	[X]	Nucleotide and/or Amino Acid Sequence Submission, including:
		[X] Computer readable copy [X] Paper Copy [X] Verified Statement.
	[]	Under PTO-1595 Cover Sheet, an assignment of the invention
	[X]	Name of Assignee: The Trustees of the University of Pennsylvania
	[]	Certified copy(ies) of Application No(s) filed is/are filed:
		[] herewith or [] in prior application &@.
	[X]	Applicant(s), by its/their undersigned attorney, claim(s) Small Entity Status under 37
		C.F.R. §1.27 as [] an Independent Inventor, or [] a Small Business Concern, or [X] a
		Non-Profit Organization.
	[]	Preliminary Amendment.
	[]	Information Disclosure Statement, PTO-1449, and cited references.
	[]	Request for Nonpublication of Application Under 35 U.S.C. §122(b)
	[]	Other:



- [] The Commissioner is not authorized to charge the filing fee at this time as we elect to defer payment of the entire filing fee until receipt of a Notice to File Missing Parts.
- [X] A check in the amount of \$1070.00 to cover the filing fee is enclosed.
- [X] The Commissioner is hereby authorized to charge and/or credit **Deposit Account No.** 50-0310 (Billing No. 053893-5034) as noted below. A duplicate copy of this sheet is enclosed.
 - [X] Any overpayments or deficiencies in the above-calculated fee.
 - [] Filing fee in the amount of \$ as calculated above.
 - [X] Any additional fees required under 37 C.F.R. § 1.16 and § 1.17.
 - [X] In the event that a Petition for Extension of Time is required during the prosecution of this application, but not submitted, please charge any extension fee under 37 C.F.R. § 1.136(a) to our Deposit Account noted above.

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KD/kck Enclosures